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NEWS 6 JUN 29 EPFULL adds Simultaneous Left and Right Truncation
(SLART) to AB, MCLM, and TI fields
NEWS 7 JUL 09 PATDPAFULL adds Simultaneous Left and Right
Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS 8 JUL 14 USGENE enhances coverage of patent sequence location
(PSL) data
NEWS 9 JUL 27 CA/Caplus enhanced with new citing references
NEWS 10 JUL 16 GBFULL adds patent backfile data to 1855
NEWS 11 JUL 21 USGENE adds bibliographic and sequence information
NEWS 12 JUL 28 EPFULL adds first-page images and applicant-cited
references
NEWS 13 JUL 28 INPADOCDB and INPAFAMDB add Russian legal status data
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NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
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 ***** STN Columbus *****

FILE 'HOME' ENTERED AT 16:28:19 ON 14 AUG 2009

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

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STRUCTURE FILE UPDATES: 13 AUG 2009 HIGHEST RN 1174270-19-9

DICTIONARY FILE UPDATES: 13 AUG 2009 HIGHEST RN 1174270-19-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

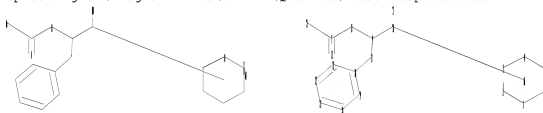
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<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

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chain nodes :

7 8 9 10 11 12 17 25

ring nodes :

1 2 3 4 5 6 18 19 20 21 22 23

chain bonds :

7-8 7-12 7-25 8-9 9-10 9-17 10-11 17-18

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

exact/norm bonds :

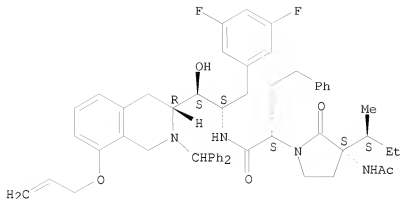
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 7-25 8-9 10-11

exact bonds :

9-10 9-17 17-18

normalized bonds :

18-19 18-23 19-20 20-21 21-22 22-23



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> fil cap

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

186.36

186.58

FILE 'CAPLUS' ENTERED AT 16:29:35 ON 14 AUG 2009

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FILE COVERS 1907 - 14 Aug 2009 VOL 151 ISS 8

FILE LAST UPDATED: 13 Aug 2009 (20090813/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAPLUS family of databases have been updated to include new citing references information. This enhancement may impact record import into database management software. For additional information, refer

to NEWS 9.

=> d his

(FILE 'HOME' ENTERED AT 16:28:19 ON 14 AUG 2009)

FILE 'REGISTRY' ENTERED AT 16:28:34 ON 14 AUG 2009

L1 STRUCTURE UPLOADED

L2 294 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 16:29:35 ON 14 AUG 2009

=> s l2 and (pry<2005 or py<2005)

8 L2

4611594 PRY<2005

25141338 PY<2005

L3 6 L2 AND (PRY<2005 OR PY<2005)

=> d l-6 ibib abs hitstr

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:333303 CAPLUS

DOCUMENT NUMBER: 144:343625

TITLE: Methods of treatment of amyloidosis using substituted

ethanolcyclicamine aspartyl protease inhibitors

INVENTOR(S): Hom, Roy; Fang, Lawrence; John, Varghese

PATENT ASSIGNEE(S): Elan Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 139 pp., which

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006026532	A2	20060309	WO 2005-US30608	20050826 <--
WO 2006026532	A3	20060720		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
CA 2576782	A1	20060309	CA 2005-2576782	20050826 <--
EP 1789388	A2	20070530	EP 2005-792572	20050826 <--
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
JP 2008511643	T	20080417	JP 2007-530212	20050826 <--
US 20080166332	A1	20080710	US 2007-659788	20070821 <--
PRIORITY APPLN. INFO.:			US 2004-604706P	P 20040827 <--
			US 2004-632971P	P 20041206 <--
			WO 2005-US30608	W 20050826

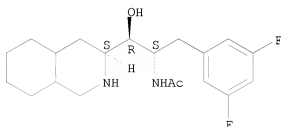
OTHER SOURCE(S): MARPAT 144:343625

AB The invention relates to novel compds. and methods of treating diseases, disorders, and conditions associated with amyloidosis. Amyloidosis refers to

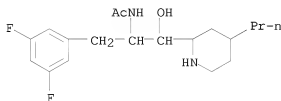
a collection of diseases, disorders, and conditions associated with abnormal deposition of A-beta protein.

IT 878138-13-7P 878138-25-1P,
N-[1-(3,5-Difluorobenzyl)-2-hydroxy-2-(4-propylpiperidin-2-yl)ethyl]acetamide 878138-41-1P,
N-[1-(3,5-Difluorobenzyl)-2-hydroxy-2-piperidin-2-ylethyl]acetamide
RL: SPN (Synthetic preparation); PREP (Preparation)
(methods of treatment of amyloidosis using substituted ethanolcyclicamine aspartyl protease inhibitors)
RN 878138-13-7 CAPLUS
CN Acetamide, N-[1-(1S,2R)-2-[(3S)-decahydro-3-isoquinolinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]- (CA INDEX NAME)

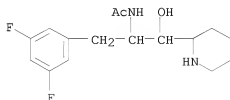
Absolute stereochemistry.



RN 878138-25-1 CAPLUS
CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-(4-propyl-2-piperidinyl)ethyl]- (CA INDEX NAME)



RN 878138-41-1 CAPLUS
CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-(2-piperidinyl)ethyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:213031 CAPLUS
DOCUMENT NUMBER: 144:292575

TITLE: Preparation of ethanol cyclic amine selective β -secretase inhibitors for treatment of amyloidosis

INVENTOR(S): Hom, Roy; Fang, Lawrence; John, Varghese

PATENT ASSIGNEE(S): Elan Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 142 pp.
CODEN: PIXXD2

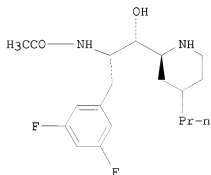
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006026533	A2	20060309	WO 2005-US30613	20050826 <--
WO 2006026533	A3	20060608		
<p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW</p> <p>RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM</p>				
CA 2577392	A1	20060309	CA 2005-2577392	20050826 <--
US 20060074098	A1	20060406	US 2005-211484	20050826 <--
EP 1802574	A2	20070704	EP 2005-792436	20050826 <--
<p>R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR</p>				
JP 2008511644	T	20080417	JP 2007-530213	20050826 <--
PRIORITY APPLN. INFO.:			US 2004-604705P	P 20040827 <--
			US 2004-632964P	P 20041206 <--
			WO 2005-US30613	W 20050826
OTHER SOURCE(S):			CASREACT 144:292575; MARPAT 144:292575	
GI				



II

AB The invention relates to ethanol cyclic amines (R₂R₁CHCH(R_c)OH (I); R₁ = (un)substituted aryl, thien-2-yl, et al.; R₂ = H, -C(O)NH, -NHC(O)CH₂halo, -NHC(O)CH(halo)₂, et al.; R_c = cyclic amine radical; addnl. details (16 pages for 1st claim) are given in the claims; e.g.

N-[(1S,2R)-1-(3,5-difluorobenzyl)-2-hydroxy-2-((2S)-4-propylpiperidin-2-yl)ethyl]acetamide (shown as II) and methods and mechanism of treating diseases, disorders, and conditions associated with amyloidosis. Amyloidosis refers to a collection of diseases, disorders, and conditions associated with abnormal deposition of A-beta protein. Although the methods of preparation are not claimed, prepn. and/or characterization data for 3 examples of I are included. For example, II was prepared via Beak ortho-lithiation in 4 steps starting from tert-Bu 4-propylpiperidin-1-carboxylate and (2S)-2-dibenzylamino-3-(3,5-difluorophenyl)propionaldehyde (preparation described). Selective inhibition of β -secretase over cathepsin D/cathepsin E is illustrated for 2 examples of I, e.g. IC₅₀ ratio >3.3 for N-[1-(decahydroisoquinolin-3-yl)-3-(3,5-difluorophenyl)-1-hydroxypropan-2-yl]acetamide.

II 878137-88-3P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-((2S)-piperidin-2-yl)ethyl]acetamide 878138-01-3P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-((2S)-4-propylpiperidin-2-yl)ethyl]acetamide 878138-13-7P, N-[(1S,2R)-2-((3S)-Decahydroisoquinolin-3-yl)-1-(3,5-difluorobenzyl)-2-hydroxyethyl]acetamide 878138-25-1P, N-[1-(3,5-Difluorobenzyl)-2-hydroxy-2-(4-propylpiperidin-2-yl)ethyl]acetamide 878138-27-3P, N-[1-(Decahydroisoquinolin-3-yl)-3-(3,5-difluorophenyl)-1-hydroxypropan-2-yl]acetamide 878138-29-5P, N-[2-(4-Butyl-4-hydroxypiperidin-2-yl)-1-(3,5-difluorobenzyl)-2-hydroxyethyl]acetamide 878138-31-9P, N-[1-(3,5-Difluorobenzyl)-2-[4-(4,4-dimethylpentyl)-4-hydroxypiperidin-2-yl]-2-hydroxyethyl]acetamide 878138-33-1P, N-[2-(4-Butyl-4-hydroxy-1-azaspiro[5.5]undecan-2-yl)-1-(3,5-difluorobenzyl)-2-hydroxyethyl]acetamide 878138-35-3P, N-[1-(3,5-Difluorobenzyl)-2-(6-ethyl-1,2,3,4-tetrahydroisoquinolin-3-yl)-2-hydroxyethyl]acetamide 878138-37-5P, N-[1-Benzyl-2-hydroxy-2-(4-oxopiperidin-2-yl)ethyl]acetamide 878138-39-7P, N-[1-(3,5-Difluorobenzyl)-2-hydroxy-2-(4-oxopiperidin-2-yl)ethyl]acetamide 878138-41-1P, N-[1-(3,5-Difluorobenzyl)-2-hydroxy-2-(piperidin-2-yl)ethyl]acetamide 878138-43-3P, N-[1-(3,5-Difluorobenzyl)-2-[4-(4-ethylphenyl)piperidin-2-yl]-2-hydroxyethyl]acetamide 878138-45-5P, N-[2-(5-Butyl-4-oxopiperidin-2-yl)-1-(3,5-difluorobenzyl)-2-hydroxyethyl]acetamide 878138-47-7P, N-[1-(3,5-Difluorobenzyl)-2-[5-(3-ethylphenyl)-4-oxopiperidin-2-yl]-2-hydroxyethyl]acetamide 878138-50-2P, 7-(2-Acetylamino-1-hydroxy-3-phenylpropyl)-1,4-dioxo-8-azaspiro[4.5]decane-8-carboxylic acid tert-butyl ester 878138-52-4P, N-[1-[6-(3-tert-Butylcyclohexyl)piperidin-2-yl]-3-(3,5-difluorophenyl)-1-hydroxypropan-2-yl]acetamide 878138-54-6P, N-[3-(3,5-Difluorophenyl)-1-[6-(3,3-dimethylbutyl)piperidin-2-yl]-1-hydroxypropan-2-yl]acetamide 878138-56-8P, N-[3-(3,5-Difluorophenyl)-1-[6-(4,4-dimethylpentyl)piperidin-2-yl]-1-hydroxypropan-2-yl]acetamide 878138-58-0P, N-[3-(3,5-Difluorophenyl)-1-hydroxy-1-(6-phenethylpiperidin-2-yl)propan-2-yl]acetamide 878138-60-4P, N-[1-[6-(3-tert-Butylphenyl)piperidin-2-yl]-3-(3,5-difluorophenyl)-1-hydroxypropan-2-yl]acetamide 878138-62-6P, N-[3-(3,5-Difluorophenyl)-1-hydroxy-1-[6-(3-methoxyphenethyl)piperidin-2-yl]propan-2-yl]acetamide 878138-64-8P, N-[3-(3,5-Difluorophenyl)-1-[6-(3-fluorophenethyl)piperidin-2-yl]-1-hydroxypropan-2-yl]acetamide 878138-66-0P, 3-[2-[6-(2-Acetamido-3-(3,5-difluorophenyl)-1-hydroxypropyl)piperidin-2-yl]ethyl]-N,N-dipropylbenzamide 878138-68-2P, N-[3-(3,5-Difluorophenyl)-1-[5-(3,3-dimethylbutyl)piperidin-2-yl]-1-hydroxypropan-2-yl]acetamide 878138-70-6P, N-[3-(3,5-Difluorophenyl)-1-hydroxy-1-[6-[2-(3-

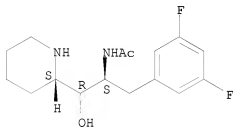
methoxycyclohexyl)ethyl]piperidin-2-yl]propan-2-yl]acetamide
 878138-72-8P, N-[1-[6-(2-Cyclohexylethyl)piperidin-2-yl]-3-(3,5-difluorophenyl)-1-hydroxypropan-2-yl]acetamide 878138-74-0P,
 Methyl 3-[2-[6-[2-acetamido-3-(3,5-difluorophenyl)-1-hydroxypropyl]piperidin-2-yl]ethyl]benzoate 878138-76-2P,
 3-[2-[6-[2-Acetamido-3-(3,5-difluorophenyl)-1-hydroxypropyl]piperidin-2-yl]ethyl]benzoic acid

RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); PKT (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of ethanol cyclic amine selective β -secretase inhibitors for treatment of amyloidosis)

RN 878137-88-3 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-(2S)-2-piperidinylolethyl]- (CA INDEX NAME)

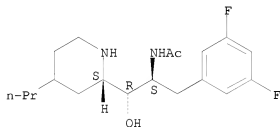
Absolute stereochemistry.



RN 878138-01-3 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2S)-4-propyl-2-piperidinylolethyl]- (CA INDEX NAME)

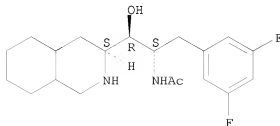
Absolute stereochemistry.



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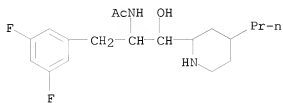
CN Acetamide, N-[(1S,2R)-2-[(3S)-decahydro-3-isoquinolinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]- (CA INDEX NAME)

Absolute stereochemistry.



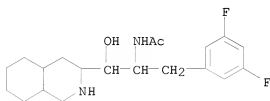
RN 878138-25-1 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-(4-propyl-2-piperidiny)ethyl]- (CA INDEX NAME)



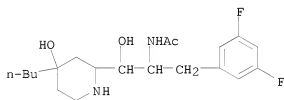
RN 878138-27-3 CAPLUS

CN Acetamide, N-[2-(decahydro-3-isoquinolinyl)-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]- (CA INDEX NAME)



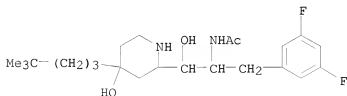
RN 878138-29-5 CAPLUS

CN Acetamide, N-[2-(4-butyl-4-hydroxy-2-piperidiny)-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]- (CA INDEX NAME)



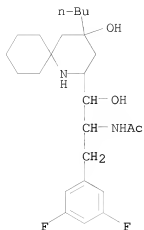
RN 878138-31-9 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-[4-(4,4-dimethylpentyl)-4-hydroxy-2-piperidiny]-2-hydroxyethyl]- (CA INDEX NAME)



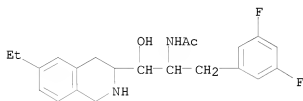
RN 878138-33-1 CAPLUS

CN Acetamide, N-[2-(4-butyl-4-hydroxy-1-azaspiro[5.5]undec-2-yl)-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]- (CA INDEX NAME)



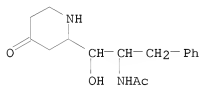
RN 878138-35-3 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-(6-ethyl-1,2,3,4-tetrahydro-3-isoquinolinyl)-2-hydroxyethyl]- (CA INDEX NAME)



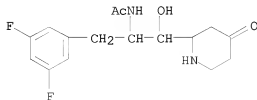
RN 878138-37-5 CAPLUS

CN Acetamide, N-[2-hydroxy-2-(4-oxo-2-piperidinyl)-1-(phenylmethyl)ethyl]- (CA INDEX NAME)



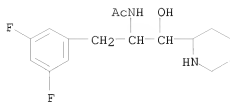
RN 878138-39-7 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-(4-oxo-2-piperidinyl)ethyl]- (CA INDEX NAME)



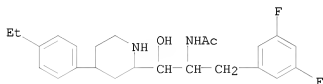
RN 878138-41-1 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-(2-piperidinyl)ethyl]- (CA INDEX NAME)



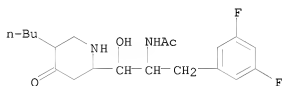
RN 878138-43-3 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-[4-(4-ethylphenyl)-2-piperidinyl]-2-hydroxyethyl]- (CA INDEX NAME)



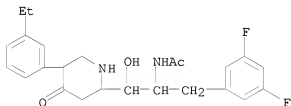
RN 878138-45-5 CAPLUS

CN Acetamide, N-[2-(5-butyl-4-oxo-2-piperidinyl)-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]- (CA INDEX NAME)



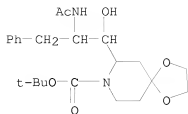
RN 878138-47-7 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-[5-(3-ethylphenyl)-4-oxo-2-piperidinyl]-2-hydroxyethyl]- (CA INDEX NAME)



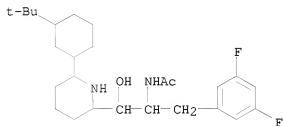
RN 878138-50-2 CAPLUS

CN 1,4-Dioxo-8-azaspiro[4.5]decane-8-carboxylic acid, 7-[2-(acetylamino)-1-hydroxy-3-phenylpropyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



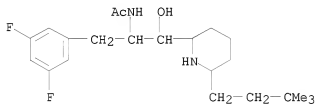
RN 878138-52-4 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-[6-[3-(1,1-dimethylethyl)cyclohexyl]-2-piperidinyl]-2-hydroxyethyl]- (CA INDEX NAME)



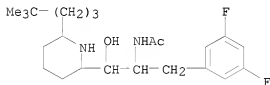
RN 878138-54-6 CAPLUS

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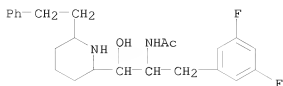
RN 878138-56-8 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-[6-(4,4-dimethylpentyl)-2-piperidinyl]-2-hydroxyethyl]- (CA INDEX NAME)



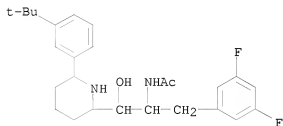
RN 878138-58-0 CAPLUS

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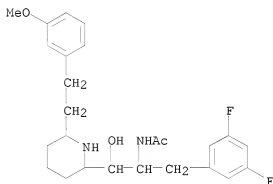
RN 878138-60-4 CAPLUS

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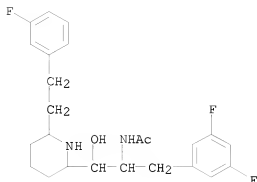
RN 878138-62-6 CAPLUS

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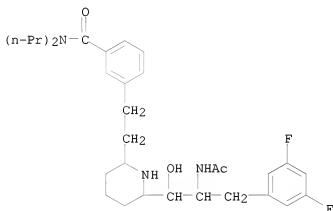
RN 878138-64-8 CAPLUS

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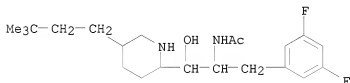
RN 878138-66-0 CAPLUS

CN Benzamide, 3-[2-[6-[2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-2-piperidinyl]ethyl]-N,N-dipropyl- (CA INDEX NAME)



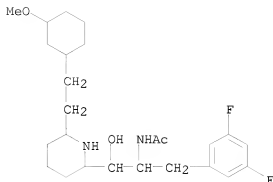
RN 878138-68-2 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-[5-(3,3-dimethylbutyl)-2-piperidinyl]-2-hydroxyethyl]- (CA INDEX NAME)



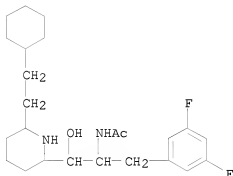
RN 878138-70-6 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[6-[2-(3-methoxycyclohexyl)ethyl]-2-piperidinyl]ethyl]- (CA INDEX NAME)



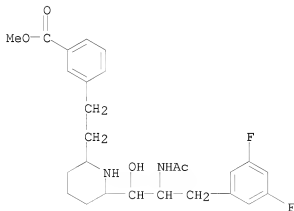
RN 878138-72-8 CAPLUS

CN Acetamide, N-[2-[6-(2-cyclohexylethyl)-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]- (CA INDEX NAME)



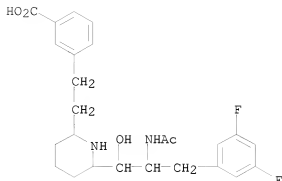
RN 878138-74-0 CAPLUS

CN Benzoic acid, 3-[2-[6-(2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl)-2-piperidinyl]ethyl]-, methyl ester (CA INDEX NAME)



RN 878138-76-2 CAPLUS

CN Benzoic acid, 3-[2-[6-(2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl)-2-piperidinyl]ethyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD
(4 CITINGS)
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2009 ACS on SIN

ACCESSION NUMBER: 2006:192220 CAPLUS

DOCUMENT NUMBER: 144:254000

TITLE: Preparation of novel gamma-lactams as beta-secretase inhibitors

INVENTOR(S): Thompson, Lorin A.; Boy, Kenneth M.; Shi, Jianliang; Macor, John E.

PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA

SOURCE: U.S. Pat. Appl. Publ., 51 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

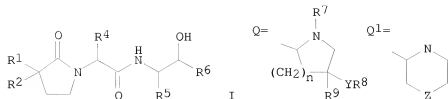
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20060046984	A1	20060302	US 2005-206441	20050818 <--
US 7388007	B2	20080617		
WO 2006026204	A2	20060309	WO 2005-US29669	20050823 <--
WO 2006026204	A3	20060727		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: US 2004-604624P P 20040826 <--
US 2005-660433P P 20050310
US 2005-206441 A 20050818

OTHER SOURCE(S): CASREACT 144:254000; MARPAT 144:254000

GI



AB There is provided a series of novel substituted γ -lactams (2-pyrrolidinone) of formula (I) or stereoisomers or pharmaceutically acceptable salts thereof [R1 = H, C1-6 alkyl, NHR3; R2 = each (un)substituted C1-6 alkyl, C3-6 alkenyl, C3-6 cycloalkyl, C3-6 cycloalkyl-C1-4 alkyl; R3 = C(O)R10, C(O)OR10, C(O)NHR10, S(O)nR10, (un)substituted C1-6alkyl; R4 = each (un)substituted C1-6 alkyl, C3-6 cycloalkyl, C3-6 cycloalkyl-C1-4 alkyl, Ph, or phenyl-C1-4alkyl; R5 = each (un)substituted C1-6 alkyl, Ph, or phenyl-C1-4 alkyl; R6 = Q, Q1; R7 = H, C1-4 alkyl; n = 1, 2; Y = O, NR7, S(O)n; Z = CH2, O, S; R8, R9 = independently H, C1-4 alkyl, C3-6 alkenyl, C3-6 alkynyl, or each (un)substituted Ph or pyridyl; or YR8 and R9 are joined together with the carbon to which they are attached to form a 5- or 6-membered ring (wherein Y = O and R8 and R9 are -CH2(CH2)n-O-); R10 = (un)substituted C1-4 alkyl]. Their pharmaceutical compns. containing the compds. I. These novel compds. inhibit the processing of amyloid precursor protein (APP) by β -secretase and, more specifically, inhibit the production of A β -peptide. They are useful in the treatment of neurol. disorders related to β -amyloid production, such as Alzheimer's disease, cerebral amyloid angiopathy, and Down's Syndrome, and other conditions affected by anti-amyloid activity. Thus, (2S)-2-[(3S)-3-acetamido-3-((R)-sec-butyl)-2-oxopyrrolidin-1-yl]-N-[(1R,2S)-3-(3,5-difluorophenyl)-1-hydroxy-1-((2R)-piperidin-2-yl)propan-2-yl]-4-phenylbutanamide, which was prepared by condensation of (2S)-2-[(3S)-3-acetamido-3-((R)-sec-butyl)-2-oxopyrrolidin-1-yl]-4-phenylbutanoic acid with (1S,2S)-2-amino-1-((2R)-1-benzhydrylpiperidin-2-yl)-3-(3,5-difluorophenyl)propan-1-ol followed by hydrogenolysis over Pd, showed IC50 of <0.1 μ g/mL against β -secretase expressed in HEK293-9B.A1 cell line.

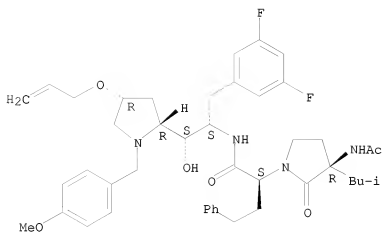
IT 877078-96-1P, (2S)-N-[(1S,2S)-1-[(2R,4R)-1-(4-Methoxybenzyl)-4-(allyloxy)pyrrolidin-2-yl]-3-(3,5-difluorophenyl)-1-hydroxypropan-2-yl]-2-((3R)-3-acetamido-3-isobutyl-2-oxopyrrolidin-1-yl)-4-phenylbutanamide
877079-09-9P 877079-14-6P 877079-18-0P
877079-22-6P 877079-26-0P 877079-30-6P
877079-33-9P 877079-36-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of novel gamma-lactams as beta-secretase inhibitors for treatment of neurol. disorders related to β -amyloid production)

RN 877078-96-1 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetyl amino)-N-[(1S,2S)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-1-[(4-methoxyphenyl)methyl]-4-(2-propen-1-yloxy)-2-pyrrolidinyl]ethyl]-3-(2-methylpropyl)-2-oxo- α -(2-phenylethyl)-, (α S,3R)- (CA INDEX NAME)

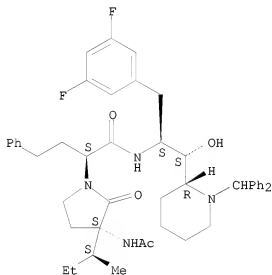
Absolute stereochemistry.



RN 877079-09-9 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2S)-1-[(3,5-difluorophenyl)methyl]-2-[(2R)-1-(diphenylmethyl)-2-piperidinyl]-2-hydroxyethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

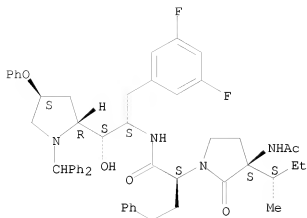
Absolute stereochemistry.



RN 877079-14-6 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2S)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4S)-1-(diphenylmethyl)-4-phenoxy-2-pyrrolidinyl]-2-hydroxyethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

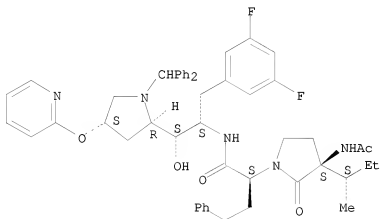
Absolute stereochemistry.



RN 877079-18-0 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2S)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4S)-1-(diphenylmethyl)-4-(2-pyridinyloxy)-2-pyrrolidinyl]-2-hydroxyethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

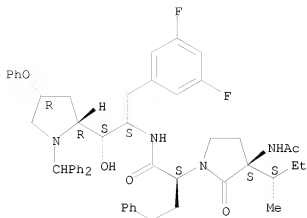
Absolute stereochemistry.



RN 877079-22-6 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2S)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-1-(diphenylmethyl)-4-phenoxy-2-pyrrolidinyl]-2-hydroxyethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

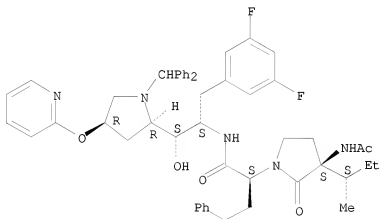
Absolute stereochemistry.



RN 877079-26-0 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2S)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-1-(diphenylmethyl)-4-(2-pyridinyloxy)-2-pyrrolidinyl]-2-hydroxyethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

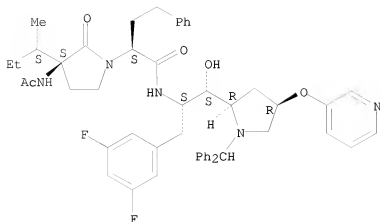
Absolute stereochemistry.



RN 877079-30-6 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2S)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-1-(diphenylmethyl)-4-(3-pyridinyloxy)-2-pyrrolidinyl]-2-hydroxyethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

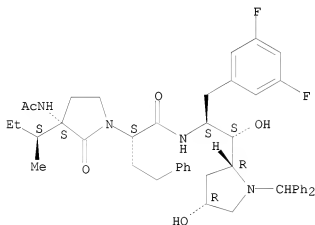
Absolute stereochemistry.



RN 877079-33-9 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2S)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-1-(diphenylmethyl)-4-hydroxy-2-pyrrolidinyl]-2-hydroxyethyl]-3-[(1S)-1-methylpropyl]-2-oxo- α -(2-phenylethyl)-, (α S,3S)- (CA INDEX NAME)

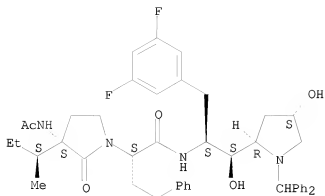
Absolute stereochemistry.



RN 877079-36-2 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2S)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4S)-1-(diphenylmethyl)-4-hydroxy-2-pyrrolidinyl]-2-hydroxyethyl]-3-[(1S)-1-methylpropyl]-2-oxo- α -(2-phenylethyl)-, (α S,3S)- (CA INDEX NAME)

Absolute stereochemistry.



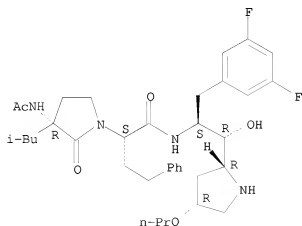
IT 877078-94-9P, (2S)-2-((3R)-3-Acetamido-3-isobutyl-2-oxopyrrolidin-1-yl)-N-[(1R,2S)-3-(3,5-difluorophenyl)-1-hydroxy-1-((2R,4R)-4-propoxypyrrolidin-2-yl)propan-2-yl]-4-phenylbutanamide
 877078-97-2P 877079-08-8P 877079-11-3P
 877079-15-7P 877079-19-1P 877079-23-7P
 877079-27-1P 877079-31-7P 877079-34-0P
 877079-39-5P 877079-41-9P 877079-43-1P
 877079-45-3P 877079-47-5P 877079-49-7P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel gamma-lactams as beta-secretase inhibitors for treatment of neurol. disorders related to β -amyloid production)

RN 877078-94-9 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-propoxy-2-pyrrolidinylethyl]-3-(2-methylpropyl)-2-oxo- α -(2-phenylethyl)-, (α S,3R)- (CA INDEX NAME)

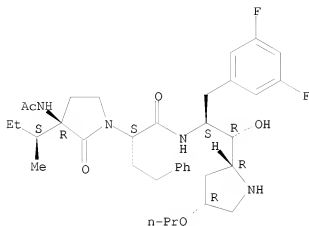
Absolute stereochemistry.



RN 877078-97-2 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-propoxy-2-pyrrolidinylethyl]-3-[(1S)-1-methylpropyl]-2-oxo- α -(2-phenylethyl)-, (α S,3R)- (CA INDEX NAME)

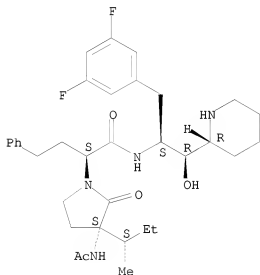
Absolute stereochemistry.



RN 877079-08-8 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylaminomethyl)-2-hydroxy-2-[(3,5-difluorophenyl)methyl]-2-oxo-α-(2-phenylethyl)-, (1S,2R)- (CA INDEX NAME)

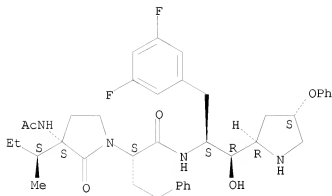
Absolute stereochemistry.



RN 877079-11-3 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylaminomethyl)-2-hydroxy-2-[(2R,4S)-4-phenoxy-2-pyrrolidinyl]ethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (1S,2R)- (CA INDEX NAME)

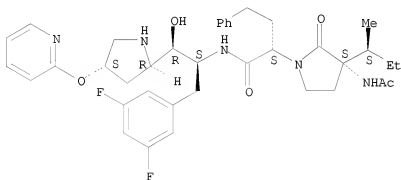
Absolute stereochemistry.



RN 877079-15-7 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4S)-4-(2-pyridinyloxy)-2-pyrrolidinyl]ethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

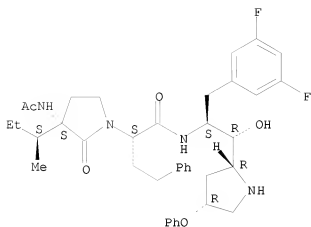
Absolute stereochemistry.



RN 877079-19-1 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-phenoxy-2-pyrrolidinyl]ethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

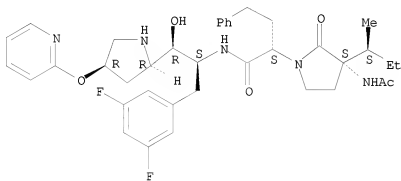
Absolute stereochemistry.



RN 877079-23-7 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(2-pyridinyloxy)-2-pyrrolidinyl]ethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

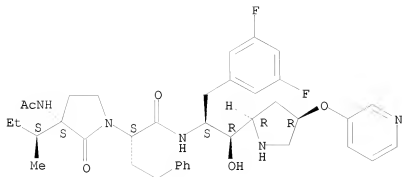
Absolute stereochemistry.



RN 877079-27-1 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(3-pyridinyloxy)-2-pyrrolidinyl]ethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

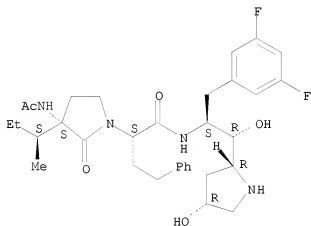
Absolute stereochemistry.



RN 877079-31-7 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetyl-amino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-hydroxy-2-pyrrolidinylethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

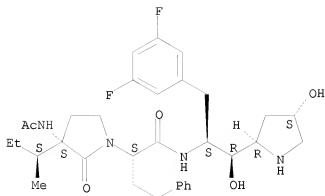
Absolute stereochemistry.



RN 877079-34-0 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetyl-amino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4S)-4-hydroxy-2-pyrrolidinylethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

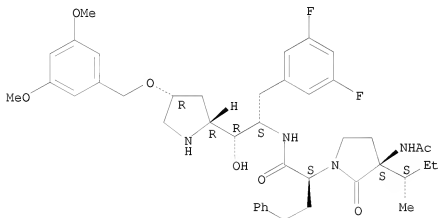
Absolute stereochemistry.



RN 877079-39-5 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylaminopropyl)-2-oxo-2-phenylethyl-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-[(3,5-dimethoxyphenyl)methoxy]-2-pyrrolidinyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

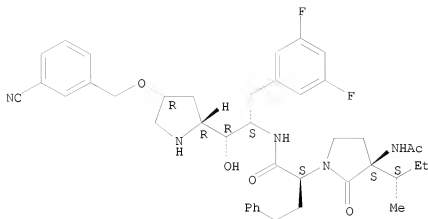
Absolute stereochemistry.



RN 877079-41-9 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylaminopropyl)-2-oxo-2-phenylethyl-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-[(3,5-dimethoxyphenyl)methoxy]-2-pyrrolidinyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

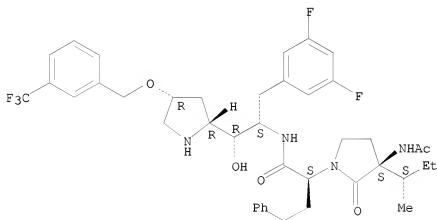
Absolute stereochemistry.



RN 877079-43-1 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[[3-(trifluoromethyl)phenyl]methoxy]-2-pyrrolidinyl]ethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

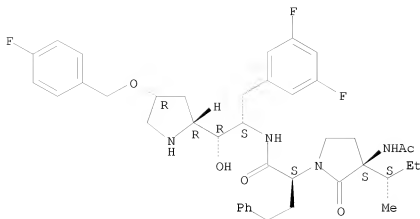
Absolute stereochemistry.



RN 877079-45-3 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-[(4-fluorophenyl)methoxy]-2-pyrrolidinyl]-2-hydroxyethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

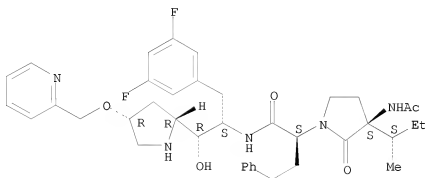
Absolute stereochemistry.



RN 877079-47-5 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(2-pyridinylmethoxy)-2-pyrrolidinyl]ethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

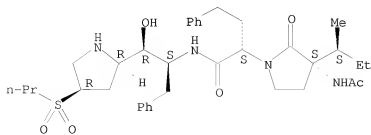
Absolute stereochemistry.



RN 877079-49-7 CAPLUS

CN 1-Pyrrolidineacetamide, 3-(acetylamino)-N-[(1S,2R)-2-hydroxy-1-(phenylmethyl)-2-[(2R,4R)-4-(propylsulfonyl)-2-pyrrolidinyl]ethyl]-3-[(1S)-1-methylpropyl]-2-oxo-α-(2-phenylethyl)-, (αS,3S)- (CA INDEX NAME)

Absolute stereochemistry.



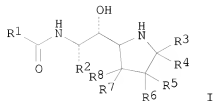
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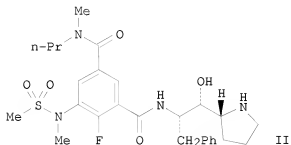
THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:1220126 CAPLUS
 DOCUMENT NUMBER: 143:477844
 TITLE: Preparation of acylated
 2-amino-1-(pyrrolidin-2-yl)ethanols and derivatives as
 BACE inhibitors for treating Alzheimer's
 INVENTOR(S): Dally, Robert Dean; Shepherd, Timothy Alan; Bender,
 David Michael; Rojo Garcia, Maria Isabel
 PATENT ASSIGNEE(S): Eli Lilly and Company, USA
 SOURCE: PCT Int. Appl., 193 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005108358	A2	20051117	WO 2005-US12191	20050408 <--
WO 2005108358	A3	20060526		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1740575	A2	20070110	EP 2005-778064	20050408 <--
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JP 2007533741	T	20071122	JP 2007-509508	20050408 <--
US 20070213331	A1	20070913	US 2006-599129	20060920 <--
PRIORITY APPLN. INFO.:			US 2004-564538P	P 20040422 <--
			WO 2005-US12191	W 20050408
OTHER SOURCE(S):	CASREACT 143:477844; MARPAT 143:477844			
GI				



I



II

AB Title compds. I [R1 = biphenyl substituted with halo, (un)substituted cycloalkyl/alk(en/yn)yl, cycloalkyl; R2 = alkyl, (un)substituted benzyl; R3 = H, alkyl; R4 = H, alkyl, Ph; R3CR4 = cycloalkyl ring; R5 = H, F, CF3, (un)substituted Ph; R6 = F, OH, OTs, , etc.; R5R6 = :CHC(:O)-alkoxy; R7 = H, F; R6 and R7 taken together for a bond; R8 = H, F; and their pharmaceutically acceptable salts; with provisos] were prepared as β -site APP-cleaving enzyme (BACE) inhibitors. Thus, amidation of 6-Fluoro-5-[(methylsulfonyl)(methyl)amino]-N-methyl-N-propylisophthalamic acid (preparation given) with (R)-2-[(1S,2S)-2-Amino-1-hydroxy-3-phenylpropyl]pyrrolidine-1-carboxylic acid tert-Bu ester and Boc-deprotection gave II•HCl. I exhibited an IC50 for BACE1 and BACE2 of at least 15 μ M in a BACE1 and BACE2 mcaFRET assay. Thus, I are useful for treating Alzheimer's disease and preventing progressive of mild cognitive impairment to Alzheimer's disease.

IT 869530-21-2P, N-[(1S,2R)-1-[(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-[(3-trifluoromethylbenzyl)oxy]pyrrolidin-2-yl]ethyl]acetamide hydrochloride

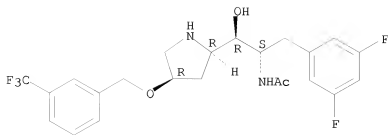
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(drug candidate; preparation of amides as BACE inhibitors for treating Alzheimer's)

RN 869530-21-2 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[[3-(trifluoromethyl)phenyl]methoxy]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

IT 869530-36-9P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-((R)-pyrrolidin-2-yl)ethyl]acetamide hydrochloride 869530-37-0P, Toluene-4-sulfonic acid (3R,5R)-5-((1R,2S)-2-acetylamino-1-hydroxy-3-phenylpropyl)pyrrolidin-3-yl ester hydrochloride 869530-38-1P 869530-60-9P, N-[(1S,2R)-1-Benzyl-2-hydroxy-2-(R)-pyrrolidin-2-ylethyl]acetamide hydrochloride 869530-61-0P, N-[(1S,2R)-1-Benzyl-2-(R)-(5,5-dimethylpyrrolidin-2-yl)-2-hydroxyethyl]acetamide hydrochloride 869530-62-1P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-(3-methoxyphenoxy)pyrrolidin-2-yl]ethyl]acetamide hydrochloride 869530-64-3P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,5S)-5-phenylpyrrolidin-2-yl]ethyl]acetamide hydrochloride 869530-65-4P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-hydroxypyrrrolidin-2-yl]ethyl]acetamide hydrochloride 869530-66-5P 869530-69-8P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(2R,4R)-4-(benzyloxy)pyrrolidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride 869530-70-1P 869530-71-2P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(2R,4S)-4-(hexyl)pyrrolidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride 869530-72-3P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(2R,4R)-4-(hexyl)pyrrolidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride 869530-73-4P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-[2-oxo-2-(piperidin-1-yl)ethyl]pyrrolidin-2-yl]ethyl]acetamide hydrochloride 869530-75-6P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4S)-4-[2-oxo-2-(piperidin-1-yl)ethyl]pyrrolidin-2-yl]ethyl]acetamide hydrochloride 869530-76-7P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-[2-(morpholin-4-yl)-2-oxoethyl]pyrrolidin-2-yl]ethyl]acetamide hydrochloride 869530-77-8P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4S)-4-[2-(morpholin-4-yl)-2-oxoethyl]pyrrolidin-2-yl]ethyl]acetamide hydrochloride 869530-78-9P 869530-79-0P 869530-80-3P 869530-81-4P 869530-82-5P, N-[(1S,2R)-2-[(2R,4R)-4-[2-(Azepan-1-yl)-2-oxoethyl]pyrrolidin-2-yl]-1-(3,5-difluorobenzyl)-2-hydroxyethyl]acetamide hydrochloride 869530-83-6P, N-[(1S,2R)-2-[(2R,4S)-4-[2-(Azepan-1-yl)-2-oxoethyl]pyrrolidin-2-yl]-1-(3,5-difluorobenzyl)-2-hydroxyethyl]acetamide hydrochloride 869530-84-7P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-[2-oxo-2-(pyrrolidin-1-yl)ethyl]pyrrolidin-2-yl]ethyl]acetamide hydrochloride 869530-85-8P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4S)-4-[2-oxo-2-(pyrrolidin-1-yl)ethyl]pyrrolidin-2-yl]ethyl]acetamide hydrochloride 869530-86-9P, [(R)-5-[(1R,2S)-2-Acetylamino-3-(3,5-difluorophenyl)-1-hydroxypropyl]pyrrolidin-(3Z)-ylidene]acetic acid methyl ester

hydrochloride 869530-88-1P,
 [(R)-5-[(1R,2S)-2-Acetylamino-3-(3,5-difluorophenyl)-1-
 hydroxypropyl]pyrrolidin-(3E)-ylidene]acetic acid methyl ester
 hydrochloride 869530-89-2P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-(2-
 methoxyphenoxy)pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869530-91-6P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4R)-4-(4-methoxyphenoxy)pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869530-92-7P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4R)-4-(3-butoxyphenoxy)pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869530-93-8P, N-[(1S,2R)-2-[(2R,4S)-4-(3-Butoxyphenoxy)pyrrolidin-
 2-yl]-1-(3,5-difluorobenzyl)-2-hydroxyethyl]acetamide hydrochloride
 869530-94-9P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4S)-4-(3-methoxyphenoxy)pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869530-95-0P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4S)-4-(2-methoxyphenoxy)pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869530-96-1P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4R)-4-(3-trifluoromethoxybenzyloxy)pyrrolidin-2-yl]ethyl]acetamide
 hydrochloride 869530-98-3P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-(3-
 methylbenzyloxy)pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869530-99-4P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4R)-4-(3-methoxybenzyloxy)pyrrolidin-2-yl]ethyl]acetamide
 hydrochloride 869531-00-0P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-(4-
 methylbenzyloxy)pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869531-01-1P, N-[(1S,2R)-2-[(2R,4R)-4-(4-tert-
 Butylbenzyloxy)pyrrolidin-2-yl]-1-(3,5-difluorobenzyl)-2-
 hydroxyethyl]acetamide hydrochloride 869531-02-2P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-(4-
 methylpentyl)pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869531-03-3P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(2R,4R)-4-(3,3-
 dimethylbutoxy)pyrrolidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride
 869531-04-4P, N-[(1S,2R)-2-[(2R,4R)-4-(2-
 Cyclohexylethoxy)pyrrolidin-2-yl]-1-(3,5-difluorobenzyl)-2-
 hydroxyethyl]acetamide hydrochloride 869531-05-5P,
 N-[(1S,2R)-2-[(2R,4R)-4-Cyclohexylmethoxy]pyrrolidin-2-yl]-1-(3,5-
 difluorobenzyl)-2-hydroxyethyl]acetamide hydrochloride
 869531-06-6P 869531-07-7P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(2R,4R)-4-(3,3-
 dimethylpentyl)pyrrolidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride
 869531-08-8P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(2R,4R)-4-(4,4-
 dimethylpentyl)pyrrolidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride
 869531-09-9P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(2R,4R)-4-(3,3-
 dimethyl-2-oxobutoxy)pyrrolidin-2-yl]-2-hydroxyethyl]acetamide
 hydrochloride 869531-10-2P,
 N-[(1S,2R)-2-[(2R,4R)-4-Cyclopropylmethoxy]pyrrolidin-2-yl]-1-(3,5-
 difluorobenzyl)-2-hydroxyethyl]acetamide hydrochloride
 869531-11-3P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4R)-4-(3-methylbutoxy)pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869531-13-5P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4R)-4-propoxy]pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869531-14-6P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4R)-4-(2-hydroxy-3,3-dimethylbutoxy)pyrrolidin-2-yl]ethyl]acetamide
 hydrochloride 869531-16-8P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-[(2R)-2-hydroxy-
 3,3-dimethylbutyl]oxy]pyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869531-17-9P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4R)-4-(2-(S)-hydroxy-3,3-dimethylbutoxy)pyrrolidin-2-
 yl]ethyl]acetamide hydrochloride 869531-18-0P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(2R,4R)-4-(2,3-dihydroxy-3-
 methylbutoxy)pyrrolidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride

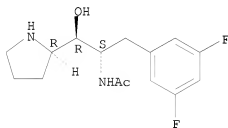
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 hydrochloride 869531-22-6P, tert-Butylcarbamic acid
 (3R,5R)-5-[(1R,2S)-2-acetyl-amino-3-(3,5-difluorophenyl)-1-
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 difluorophenyl)-1-hydroxypropyl]pyrrolidin-3-yl ester hydrochloride
 869531-25-9P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4R)-4-(3-methylbutoxy)-4-trifluoromethylpyrrolidin-2-
 yl]ethyl]acetamide hydrochloride 869531-26-0P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4S)-4-(3-methylbutoxy)-
 4-trifluoromethylpyrrolidin-2-yl]ethyl]acetamide hydrochloride
 869531-27-1P, N-[(1S,2R)-2-[(2R,4R)-4-(2-Cyclohexylethoxy)-4-
 trifluoromethylpyrrolidin-2-yl]-1-(3,5-difluorobenzyl)-2-
 hydroxyethyl]acetamide hydrochloride 869531-33-9P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4R)-4-hydroxy-4-
 propylpyrrolidin-2-yl]ethyl]acetamide hydrochloride 869531-35-1P
 , N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(2R,4S)-4-
 phenylpyrrolidin-2-yl]ethyl]acetamide trifluoroacetate
 869531-36-2P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-
 [(2R,4S)-4-(3-isopropoxyphenyl)pyrrolidin-2-yl]ethyl]acetamide
 hydrochloride
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(drug candidate; preparation of amides as BACE inhibitors for treating
 Alzheimer's)

RN 869530-36-9 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-(2R)-2-
 pyrrolidinylethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

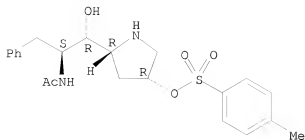


● HCl

RN 869530-37-0 CAPLUS

CN Acetamide, N-[(1S,2R)-2-hydroxy-2-[(2R,4R)-4-[(4-
 methylphenyl)sulfonyl]oxy]-2-pyrrolidinyl]-1-(phenylmethyl)ethyl]-,
 hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

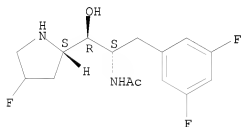


● HCl

RN 869530-38-1 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2S)-4-fluoro-2-pyrrolidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

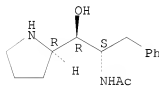


● HCl

RN 869530-60-9 CAPLUS

CN Acetamide, N-[(1S,2R)-2-hydroxy-1-(phenylmethyl)-2-(2R)-2-pyrrolidinylethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

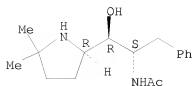


● HCl

RN 869530-61-0 CAPLUS

CN Acetamide, N-[(1S,2R)-2-[(2R)-5,5-dimethyl-2-pyrrolidinyl]-2-hydroxy-1-(phenylmethyl)ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

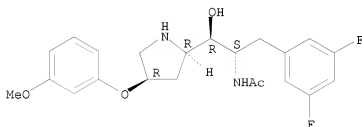


● HCl

RN 869530-62-1 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(3-methoxyphenoxy)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

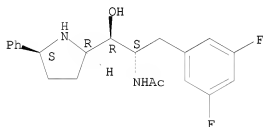


● HCl

RN 869530-64-3 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5S)-5-phenyl-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

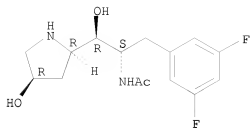


● HCl

RN 869530-65-4 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-hydroxy-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

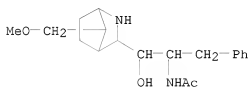
Absolute stereochemistry.



● HCl

RN 869530-66-5 CAPLUS

CN Acetamide, N-[2-hydroxy-2-[7-(methoxymethyl)-2-azabicyclo[2.2.1]hept-3-yl]-1-(phenylmethyl)ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

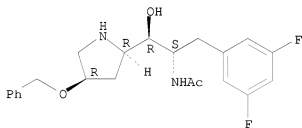


● HCl

RN 869530-69-8 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(phenylmethoxy)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

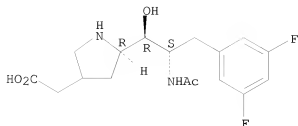


● HCl

RN 869530-70-1 CAPLUS

CN 3-Pyrrolidineacetic acid, 5-[(1R,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-, hydrochloride (1:1), (5R)- (CA INDEX NAME)

Absolute stereochemistry.

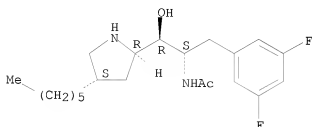


● HCl

RN 869530-71-2 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4S)-4-hexyl-2-pyrrolidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

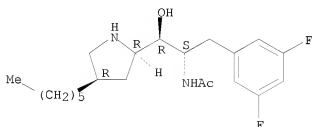


● HCl

RN 869530-72-3 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-hexyl-2-pyrrolidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

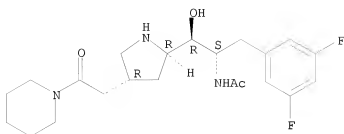


● HCl

RN 869530-73-4 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[2-oxo-2-(1-piperidinyl)ethyl]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

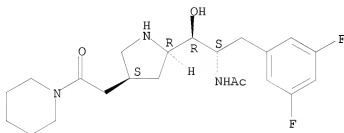
Absolute stereochemistry.



● HCl

RN 869530-75-6 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4S)-4-[2-oxo-2-(1-piperidinyl)ethyl]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

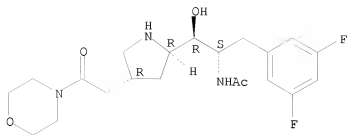
Absolute stereochemistry.



● HCl

RN 869530-76-7 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[2-(4-morpholinyl)-2-oxoethyl]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

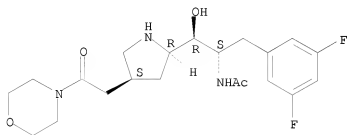
Absolute stereochemistry.



● HC1

RN 869530-77-8 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4S)-4-[2-(4-morpholinyl)-2-oxoethyl]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

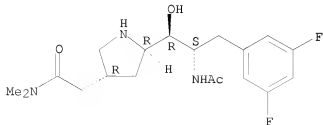
Absolute stereochemistry.



● HC1

RN 869530-78-9 CAPLUS
 CN 3-Pyrrolidineacetamide, 5-[(1R,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-N,N-dimethyl-, hydrochloride (1:1), (3R,5R)- (CA INDEX NAME)

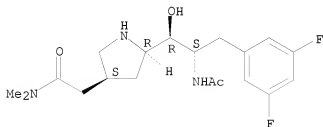
Absolute stereochemistry.



● HC1

RN 869530-79-0 CAPLUS
 CN 3-Pyrrolidineacetamide, 5-[(1R,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-N,N-dimethyl-, hydrochloride (1:1), (3S,5R)- (CA INDEX NAME)

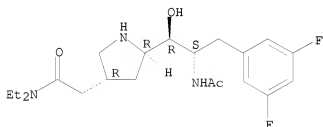
Absolute stereochemistry.



● HCl

RN 869530-80-3 CAPLUS
 CN 3-Pyrrolidineacetamide, 5-[(1R,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-N,N-diethyl-, hydrochloride (1:1), (3R,5R)- (CA INDEX NAME)

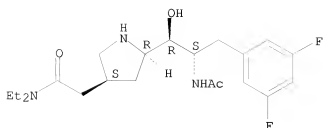
Absolute stereochemistry.



● HCl

RN 869530-81-4 CAPLUS
 CN 3-Pyrrolidineacetamide, 5-[(1R,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-N,N-diethyl-, hydrochloride (1:1), (3S,5R)- (CA INDEX NAME)

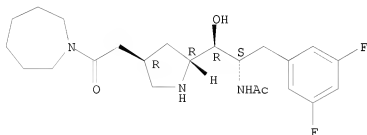
Absolute stereochemistry.



● HCl

RN 869530-82-5 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-[2-(hexahydro-1H-azepin-1-yl)-2-oxoethyl]-2-pyrrolidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

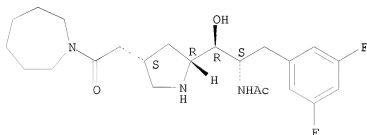
Absolute stereochemistry.



● HCl

RN 869530-83-6 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4S)-4-[2-(hexahydro-1H-azepin-1-yl)-2-oxoethyl]-2-pyrrolidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

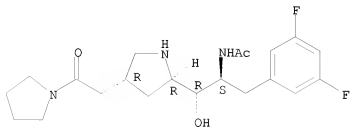
Absolute stereochemistry.



● HCl

RN 869530-84-7 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[2-oxo-2-(1-pyrrolidinyl)ethyl]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

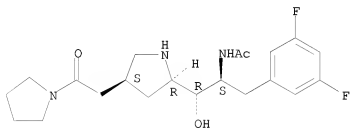
Absolute stereochemistry.



● HCl

RN 869530-85-8 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4S)-4-[2-oxo-2-(1-pyrrolidinyl)ethyl]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

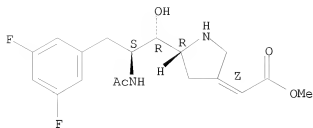


● HCl

RN 869530-86-9 CAPLUS
 CN Acetic acid, 2-[(5R)-5-[(1R,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-3-pyrrolidinylidene]-, methyl ester, hydrochloride (1:1), (2Z)- (CA INDEX NAME)

Absolute stereochemistry.

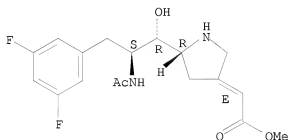
Double bond geometry as shown.



● HCl

RN 869530-88-1 CAPLUS
 CN Acetic acid, 2-[(1R,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-3-pyrrolidinylidene-, methyl ester, hydrochloride (1:1), (2E)- (CA INDEX NAME)

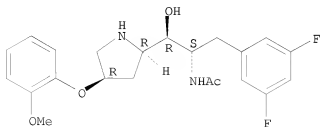
Absolute stereochemistry.
 Double bond geometry as shown.



● HCl

RN 869530-89-2 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(2-methoxyphenoxy)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

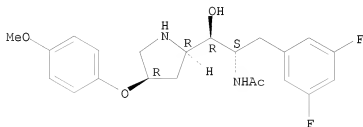
Absolute stereochemistry.



● HCl

RN 869530-91-6 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(4-methoxyphenoxy)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

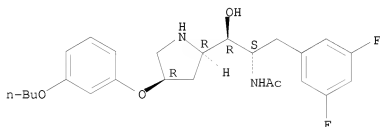
Absolute stereochemistry.



● HCl

RN 869530-92-7 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,4R)-4-(3-butoxyphenoxy)-2-pyrrolidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

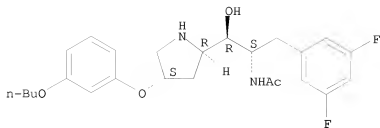
Absolute stereochemistry.



● HCl

RN 869530-93-8 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,4S)-4-(3-butoxyphenoxy)-2-pyrrolidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

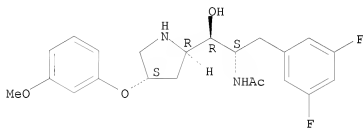
Absolute stereochemistry.



● HCl

RN 869530-94-9 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4S)-4-(3-methoxyphenoxy)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

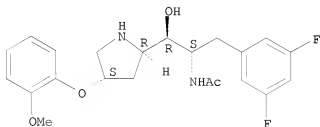
Absolute stereochemistry.



● HCl

RN 869530-95-0 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4S)-4-(2-methoxyphenoxy)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

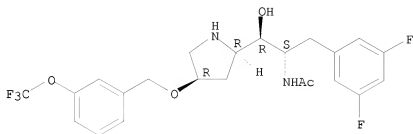


● HCl

RN 869530-96-1 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-

4-[[3-(trifluoromethoxy)phenyl]methoxy]-2-pyrrolidinyl]ethyl]-,
hydrochloride (1:1) (CA INDEX NAME)

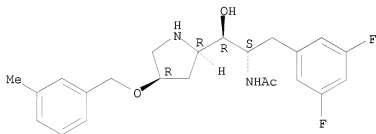
Absolute stereochemistry.



● HCl

RN 869530-98-3 CAPLUS
CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[(3-methoxyphenyl)methoxy]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1)
(CA INDEX NAME)

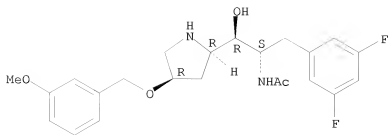
Absolute stereochemistry.



● HCl

RN 869530-99-4 CAPLUS
CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[(3-methoxyphenyl)methoxy]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1)
(CA INDEX NAME)

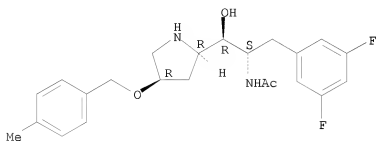
Absolute stereochemistry.



● HCl

RN 869531-00-0 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[(4-methylphenyl)methoxy]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1)
 (CA INDEX NAME)

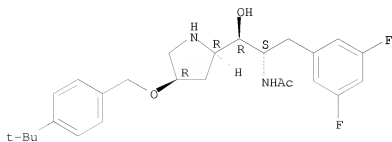
Absolute stereochemistry.



● HCl

RN 869531-01-1 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-[(1,1-dimethylethyl)phenyl]methoxy]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

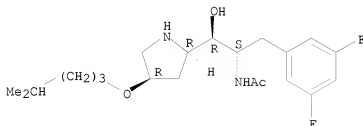
Absolute stereochemistry.



● HCl

RN 869531-02-2 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[(4-methylpentyl)oxy]-2-pyrrolidinyl)ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

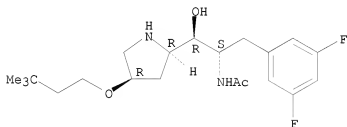
Absolute stereochemistry.



● HCl

RN 869531-03-3 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-(3,3-dimethylbutoxy)-2-pyrrolidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

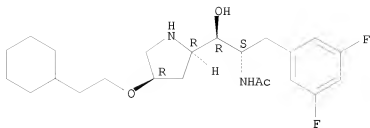
Absolute stereochemistry.



● HCl

RN 869531-04-4 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,4R)-4-(2-cyclohexylethoxy)-2-pyrrolidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

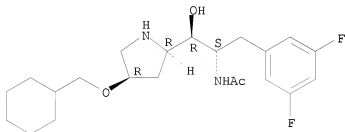
Absolute stereochemistry.



● HCl

RN 869531-05-5 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,4R)-4-(cyclohexylmethoxy)-2-pyrrolidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

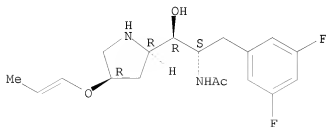


● HCl

RN 869531-06-6 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(1-propen-1-yloxy)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

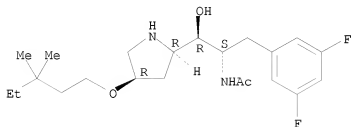


● HCl

RN 869531-07-7 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-[(3,3-dimethylpentyl)oxyl]-2-pyrrolidinyl]-2-hydroxyethyl]-, hydrochloride (1:1)
(CA INDEX NAME)

Absolute stereochemistry.

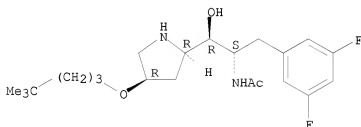


● HCl

RN 869531-08-8 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-[(4,4-dimethylpentyl)oxyl]-2-pyrrolidinyl]-2-hydroxyethyl]-, hydrochloride (1:1)
(CA INDEX NAME)

Absolute stereochemistry.

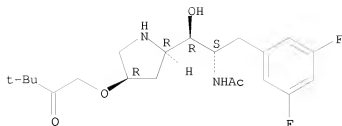


● HCl

RN 869531-09-9 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-(3,3-dimethyl-2-oxobutoxy)-2-pyrrolidinyl]-2-hydroxyethyl]-, hydrochloride (1:1)
(CA INDEX NAME)

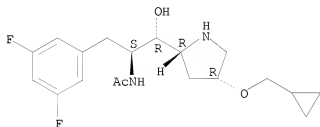
Absolute stereochemistry.



● HCl

RN 869531-10-2 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,4R)-4-(cyclopropylmethoxy)-2-pyrrolidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

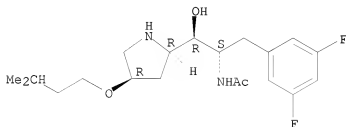
Absolute stereochemistry.



● HCl

RN 869531-11-3 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(3-methylbutoxy)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

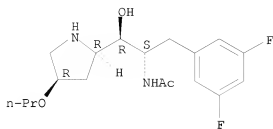


● HCl

RN 869531-13-5 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-

4-propoxy-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

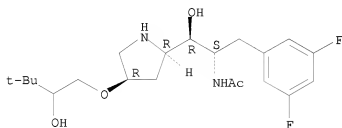


● HCl

RN 869531-14-6 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(2-hydroxy-3,3-dimethylbutoxy)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

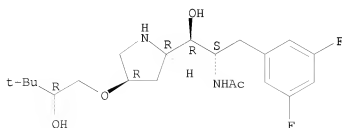


● HCl

RN 869531-16-8 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[(2R)-2-hydroxy-3,3-dimethylbutoxy]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

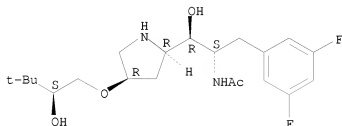


● HCl

RN 869531-17-9 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-[(2S)-2-hydroxy-3,3-dimethylbutoxy]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

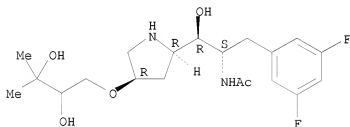


● HCl

RN 869531-18-0 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,4R)-4-(2,3-dihydroxy-3-methylbutoxy)-2-pyrrolidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

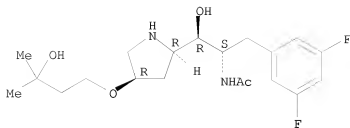


● HCl

RN 869531-20-4 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-(3-hydroxy-3-methylbutoxy)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

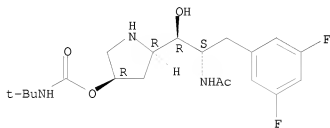
Absolute stereochemistry.



● HCl

RN 869531-22-6 CAPLUS
 CN Carbamic acid, (1,1-dimethylethyl)-,
 (3R,5R)-5-[(1R,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-
 3-pyrrolidinyl ester, monohydrochloride (9CI) (CA INDEX NAME)

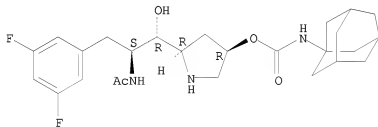
Absolute stereochemistry.



● HCl

RN 869531-24-8 CAPLUS
 CN Carbamic acid, tricyclo[3.3.1.1.3,7]dec-1-yl-,
 (3R,5R)-5-[(1R,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-
 3-pyrrolidinyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

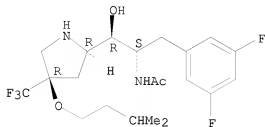


● HCl

RN 869531-25-9 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-

4-(3-methylbutoxy)-4-(trifluoromethyl)-2-pyrrolidinyl]ethyl]-,
hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

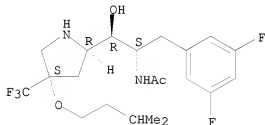


● HCl

RN 869531-26-0 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4S)-4-(3-methylbutoxy)-4-(trifluoromethyl)-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

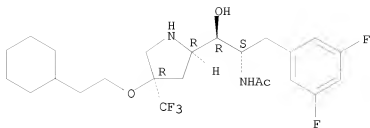


● HCl

RN 869531-27-1 CAPLUS

CN Acetamide, N-[(1S,2R)-2-[(2R,4R)-4-(2-cyclohexylethoxy)-4-(trifluoromethyl)-2-pyrrolidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

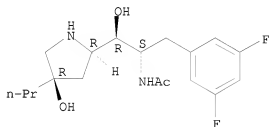
Absolute stereochemistry.



● HCl

RN 869531-33-9 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4R)-4-hydroxy-4-propyl-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.



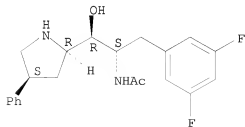
● HCl

RN 869531-35-1 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4S)-4-phenyl-2-pyrrolidinyl]ethyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 869531-34-0
 CMF C21 H24 F2 N2 O2

Absolute stereochemistry.

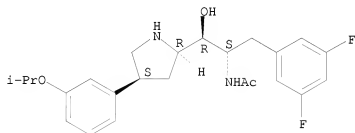


CM 2
 CRN 76-05-1
 CMF C2 H F3 O2



RN 869531-36-2 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,4S)-4-[3-(1-methylethoxy)phenyl]-2-pyrrolidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

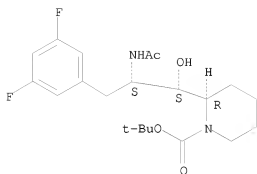


● HCl

IT 869527-61-7P, 2-(2R)-[(1S,2S)-2-Acetylamino-3-(3,5-difluorophenyl)-1-hydroxypropyl]piperidine-1-carboxylic acid tert-butyl ester 869527-63-9P, 2-(R)-[(1S,2S)-2-Acetylamino-3-(3,5-difluorophenyl)-1-hydroxypropyl]pyrrolidine-1-carboxylic acid tert-butyl ester 869530-63-2P, (2R,4R)-2-[(1S,2S)-2-Acetylamino-3-(3,5-difluorophenyl)-1-hydroxypropyl]-4-(3-methoxyphenoxy)pyrrolidine-1-carboxylic acid tert-butyl ester 869530-67-6P, 3-(2-Acetylamino-1-hydroxy-3-phenylpropyl)-7-methoxymethyl-2-azabicyclo[2.2.1]heptane-2-carboxylic acid tert-butyl ester
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of amides as BACE inhibitors for treating Alzheimer's)

RN 869527-61-7 CAPLUS
 CN 1-Piperidinecarboxylic acid, 2-[(1S,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-, 1,1-dimethylethyl ester, (2R)- (CA INDEX NAME)

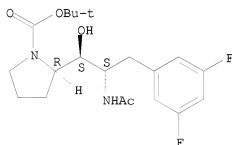
Absolute stereochemistry.



RN 869527-63-9 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 2-[(1S,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-, 1,1-dimethylethyl ester, (2R)- (CA INDEX NAME)

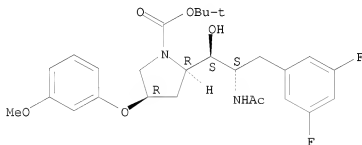
Absolute stereochemistry.



RN 869530-63-2 CAPLUS

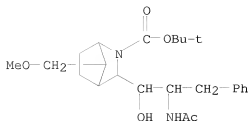
CN 1-Pyrrolidinecarboxylic acid, 2-[(1S,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-4-(3-methoxyphenoxy)-, 1,1-dimethylethyl ester, (2R,4R)- (CA INDEX NAME)

Absolute stereochemistry.



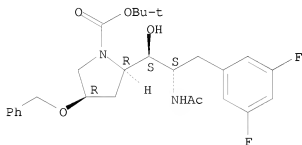
RN 869530-67-6 CAPLUS

CN 2-Azabicyclo[2.2.1]heptane-2-carboxylic acid, 3-[2-(acetylamino)-1-hydroxy-3-phenylpropyl]-7-(methoxymethyl)-, 1,1-dimethylethyl ester (CA INDEX NAME)



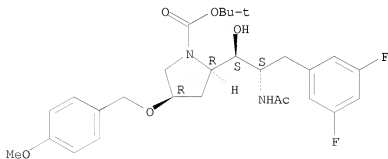
IT 869527-86-6, (2R,4R)-2-[(1S,2S)-2-Acetylamino-3-(3,5-difluorophenyl)-1-hydroxypropyl]-4-benzoyloxypyrrolidine-1-carboxylic acid tert-butyl ester 869530-18-7, (2R,4R)-2-[(1S,2S)-2-Acetylamino-3-(3,5-difluorophenyl)-1-hydroxypropyl]-4-[(4-methoxybenzyl)oxy]pyrrolidine-1-carboxylic acid tert-butyl ester
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of amides as BACE inhibitors for treating Alzheimer's)
 RN 869527-86-6 CAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 2-[(1S,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-4-(phenylmethoxy)-, 1,1-dimethylethyl ester, (2R,4R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 869530-18-7 CAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 2-[(1S,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-4-[(4-methoxyphenyl)methoxy]-, 1,1-dimethylethyl ester, (2R,4R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:1220116 CAPLUS

DOCUMENT NUMBER: 143:477983

TITLE: Preparation of amides as BACE inhibitors for treating Alzheimer's

INVENTOR(S): Bueno Melendo, Ana Belen; Chen, Shu-Hui; Erickson, Jon Andre; Gonzalez-Garcia, Maria Rosario; Guo, Deqi; Marcos Llorente, Alicia; McCarthy, James Ray; Shepherd, Timothy Alan; Sheehan, Scott Martin; Yip, Yvonne Yee Mai

PATENT ASSIGNEE(S): Eli Lilly and Company, USA

SOURCE: PCT Int. Appl., 212 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

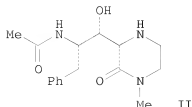
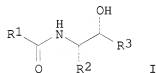
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005108391	A1	20051117	WO 2005-US12189	20050408 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1740573	A1	20070110	EP 2005-736358	20050408 <--
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			
JP 2007533740	T	20071122	JP 2007-509507	20050408 <--
US 20070225372	A1	20070927	US 2006-599125	20060920 <--
PRIORITY APPLN. INFO.:			US 2004-564538P	P 20040422 <--
			WO 2005-US12189	W 20050408

OTHER SOURCE(S): CASREACT 143:477983; MARPAT 143:477983

GI



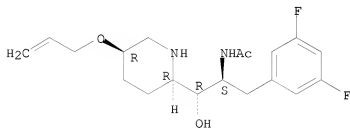
AB Title compds. I [R1 = (un)substituted cycloalkyl/alkyl, biphenyl, cycloalkyl, etc.; R2 = alkyl, (un)substituted benzyl; R3 = (un)substituted piperidin-2-yl, tetrahydropyridin-2-yl, piperazin-2-yl, homopiperidin-2-yl, etc.] were prepared as β -site APP-cleaving enzyme (BACE) inhibitors. Thus, acetylation of 3-(S)-(2-(S)-amino-1-(S)-hydroxy-3-phenylpropyl)-1-methylpiperazin-2-one (preparation given) with AcOH gave amide II•HCl. I exhibited an IC₅₀ for BACE1 and BACE2 of at least 15 μ M in a BACE1 and BACE2 mcaFRET assay. Thus, I are useful for treating Alzheimer's disease and preventing progressive of mild cognitive impairment to Alzheimer's disease.

IT 869659-54-1P 869659-58-5P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug candidate; preparation of amides as BACE inhibitors for treating Alzheimer's)

RN 869659-54-1 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-(2-propen-1-yloxy)-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

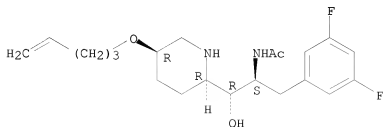


● HCl

RN 869659-58-5 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-(4-penten-1-yloxy)-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

IT 869657-93-2P 869659-02-9P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-(R)-(piperidin-2-yl)ethyl]acetamide 869659-03-0P,
 N-[(1S,2R)-1-Benzyl-2-hydroxy-2-(R)-(piperidin-2-yl)ethyl]acetamide hydrochloride 869659-05-2P,
 N-[2-(2-Azabicyclo[2.2.1]hept-3-yl)-1-benzyl-2-hydroxyethyl]acetamide trifluoroacetate 869659-06-3P,
 N-[(1S,2R)-2-[(5R,2R)-5-(Benzyloxy)piperidin-2-yl]-1-(3,5-difluorobenzyl)-2-hydroxyethyl]acetamide hydrochloride 869659-28-9P
 869659-34-7P 869659-40-5P,
 N-[1-(3,5-Difluorobenzyl)-2-hydroxy-2-(7-methoxymethyl-2-azabicyclo[2.2.1]hept-3-yl)ethyl]acetamide hydrochloride 869659-41-6P, N-[1-(3,5-Difluorobenzyl)-2-hydroxy-2-[7-(3-methylbutyl)-2-azabicyclo[2.2.1]hept-3-yl]ethyl]acetamide hydrochloride 869659-43-8P 869659-44-9P 869659-53-0P
 869659-55-2P 869659-56-3P 869659-57-4P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(5R,2R)-5-[(3-chlorobenzo[b]thien-2-yl)methoxy]piperidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride 869659-59-6P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(5R,2R)-5-[(5-chlorobenzo[b]thien-2-yl)methoxy]piperidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride 869659-60-9P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(5R,2R)-5-[(5-chlorothiophen-2-yl)methoxy]piperidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride 869659-61-0P 869659-62-1P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(2-cyclohexylethyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-63-2P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-(cyclopentylmethyloxy)piperidin-2-yl]ethyl]acetamide hydrochloride 869659-64-3P 869659-65-4P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(2-methylbenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-66-5P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(5R,2R)-5-[(5-methylthiazol-2-yl)methoxy]piperidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride 869659-67-6P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(4-methylbenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-68-7P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(2-chlorobenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-69-8P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(3-chlorobenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-70-1P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(4-chlorobenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-71-2P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(2-trifluoromethylbenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-72-3P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(3-trifluoromethylbenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-73-4P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(4-trifluoromethylbenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-74-5P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(4-tert-butylbenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-75-6P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(2,6-difluorobenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-76-7P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(2,6-dichlorobenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-77-8P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(2-fluorobenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-78-9P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-

[(5R,2R)-5-[(3-fluorobenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-79-0P,
 N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-hydroxy-2-[(5R,2R)-5-[(4-fluorobenzyl)oxy]piperidin-2-yl]ethyl]acetamide hydrochloride 869659-80-3P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(5R,2R)-5-(cyclohexylmethoxy)piperidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride 869659-81-4P, N-[(1S,2R)-1-(3,5-Difluorobenzyl)-2-[(5R,2R)-5-(cyclobutylmethoxy)piperidin-2-yl]-2-hydroxyethyl]acetamide hydrochloride 869659-82-5P 869659-83-6P 869660-35-5P,
 N-[(1S)-1-Benzyl-2-(6-ethylpiperidin-2-yl)-2-hydroxyethyl]acetamide hydrochloride 869660-36-6P,
 N-[(1S)-1-Benzyl-2-hydroxy-2-(6-methylpiperidin-2-yl)ethyl]acetamide hydrochloride

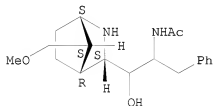
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of amides as BACE inhibitors for treating Alzheimer's)

RN 869657-93-2 CAPLUS

CN Acetamide, N-[2-hydroxy-2-[(1R,3R,4S,7R)-7-(methoxymethyl)-2-azabicyclo[2.2.1]hept-3-yl]-1-(phenylmethyl)ethyl]-, rel- (CA INDEX NAME)

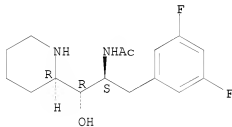
Relative stereochemistry.



RN 869659-02-9 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-(2R)-2-piperidinylethyl]- (CA INDEX NAME)

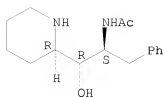
Absolute stereochemistry.



RN 869659-03-0 CAPLUS

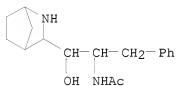
CN Acetamide, N-[(1S,2R)-2-hydroxy-1-(phenylmethyl)-2-(2R)-2-piperidinylethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 869659-05-2 CAPLUS
 CN Acetamide, N-[2-(2-azabicyclo[2.2.1]hept-3-yl)-2-hydroxy-1-(phenylmethyl)ethyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)
 CM 1
 CRN 869659-04-1
 CMF C17 H24 N2 O2

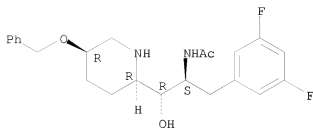


CM 2
 CRN 76-05-1
 CMF C2 H F3 O2



RN 869659-06-3 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-(phenylmethoxy)-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

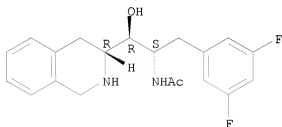


● HCl

RN 869659-28-9 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(3R)-1,2,3,4-tetrahydro-3-isoquinoliny]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

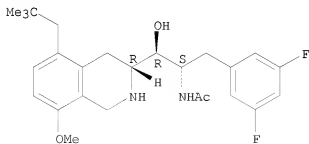


● HCl

RN 869659-34-7 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(3R)-5-(2,2-dimethylpropyl)-1,2,3,4-tetrahydro-8-methoxy-3-isoquinoliny]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

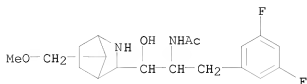
Absolute stereochemistry.



● HCl

RN 869659-40-5 CAPLUS

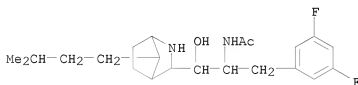
CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[7-(methoxymethyl)-2-azabicyclo[2.2.1]hept-3-yl]ethyl]-, hydrochloride (1:1)
(CA INDEX NAME)



● HCl

RN 869659-41-6 CAPLUS

CN Acetamide, N-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[7-(3-methylbutyl)-2-azabicyclo[2.2.1]hept-3-yl]ethyl]-, hydrochloride (1:1)
(CA INDEX NAME)



● HCl

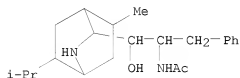
RN 869659-43-8 CAPLUS

CN Acetamide, N-[2-hydroxy-2-[5-methyl-7-(1-methylethyl)-2-azabicyclo[2.2.2]oct-3-yl]-1-(phenylmethyl)ethyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 869659-42-7

CMF C22 H34 N2 O2



CM 2

CRN 76-05-1

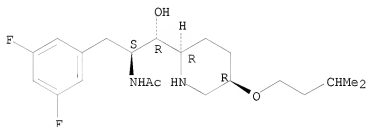
CMF C2 H F3 O2



RN 869659-44-9 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-(3-methylbutoxy)-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

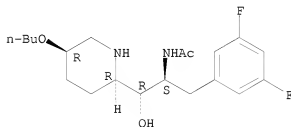


● HCl

RN 869659-53-0 CAPLUS

CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-butoxy-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

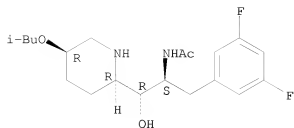


● HCl

RN 869659-55-2 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-(2-methylpropoxy)-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

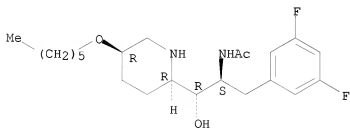
Absolute stereochemistry.



● HC1

RN 869659-56-3 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,5R)-5-(hexyloxy)-2-piperidiny]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

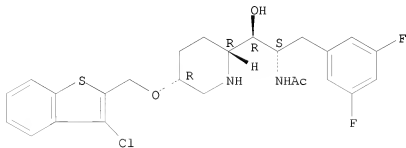
Absolute stereochemistry.



● HC1

RN 869659-57-4 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-[(3-chlorobenzo[b]thien-2-yl)methoxy]-2-piperidiny]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

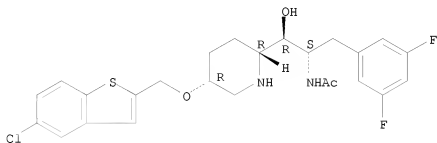


● HC1

RN 869659-59-6 CAPLUS

CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-[(5-chlorobenzo[b]thien-2-yl)methoxy]-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

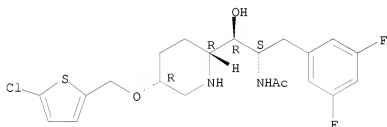


● HCl

RN 869659-60-9 CAPLUS

CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-[(5-chloro-2-thienyl)methoxy]-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

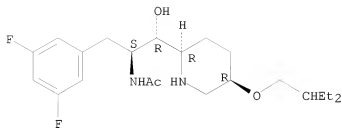


● HCl

RN 869659-61-0 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,5R)-5-(2-ethylbutoxy)-2-piperidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

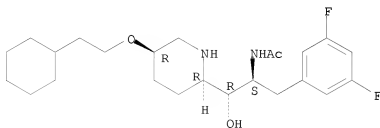
Absolute stereochemistry.



● HCl

RN 869659-62-1 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-(2-cyclohexylethoxy)-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

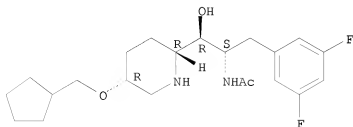
Absolute stereochemistry.



● HCl

RN 869659-63-2 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-(cyclopentylmethoxy)-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

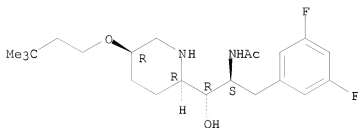


● HCl

RN 869659-64-3 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,5R)-5-(3,3-

dimethylbutoxy)-2-piperidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

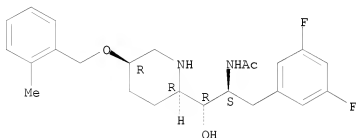


● HCl

RN 869659-65-4 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-[(2-methylphenyl)methoxy]-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

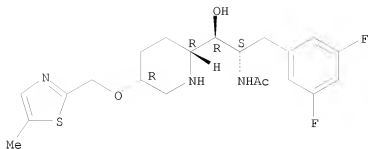


● HCl

RN 869659-66-5 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-[(5-methyl-2-thiazolyl)methoxy]-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

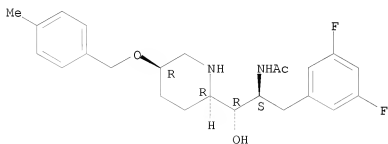
Absolute stereochemistry.



● HCl

RN 869659-67-6 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-[(4-methylphenyl)methoxy]-2-piperidinyl]ethyl]-, hydrochloride (1:1)
 (CA INDEX NAME)

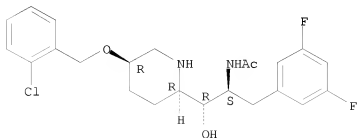
Absolute stereochemistry.



● HCl

RN 869659-68-7 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-[(2-chlorophenyl)methoxy]-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

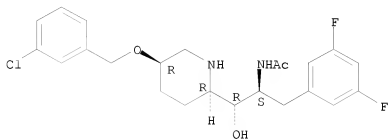
Absolute stereochemistry.



● HCl

RN 869659-69-8 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-[(3-chlorophenyl)methoxy]-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

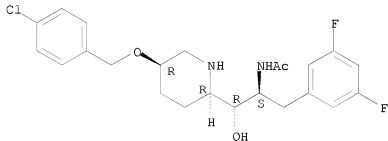
Absolute stereochemistry.



● HCl

RN 869659-70-1 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-[(4-chlorophenyl)methoxy]-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

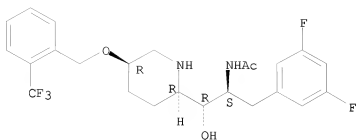
Absolute stereochemistry.



● HCl

RN 869659-71-2 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-[[2-(trifluoromethyl)phenyl]methoxy]-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

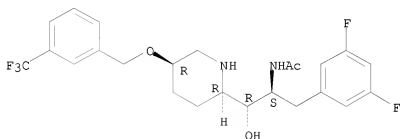
Absolute stereochemistry.



● HCl

RN 869659-72-3 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-[3-(trifluoromethyl)phenyl]methoxy]-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

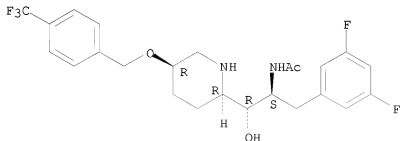
Absolute stereochemistry.



● HCl

RN 869659-73-4 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-[4-(trifluoromethyl)phenyl]methoxy]-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

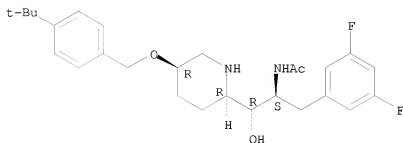


● HCl

RN 869659-74-5 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,5R)-5-[[4-(1,1-dimethylethyl)phenyl]methoxy]-2-piperidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

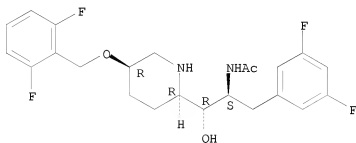


● HCl

RN 869659-75-6 CAPLUS

CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-[(2,6-difluorophenyl)methoxy]-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

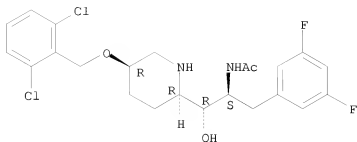


● HCl

RN 869659-76-7 CAPLUS

CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-[(2,6-dichlorophenyl)methoxy]-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

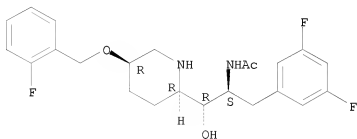


● HCl

RN 869659-77-8 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,5R)-5-[(2-fluorophenyl)methoxy]-2-piperidinyl]-2-hydroxyethyl]-, hydrochloride (1:1)
(CA INDEX NAME)

Absolute stereochemistry.

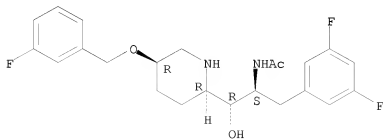


● HCl

RN 869659-78-9 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,5R)-5-[(3-fluorophenyl)methoxy]-2-piperidinyl]-2-hydroxyethyl]-, hydrochloride (1:1)
(CA INDEX NAME)

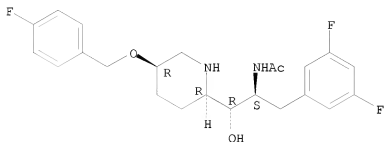
Absolute stereochemistry.



● HCl

RN 869659-79-0 CAPLUS
 CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-[(2R,5R)-5-[(4-fluorophenyl)methoxy]-2-piperidinyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

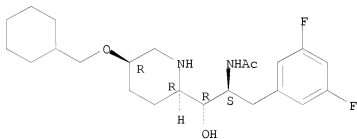
Absolute stereochemistry.



● HCl

RN 869659-80-3 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-(cyclohexylmethoxy)-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

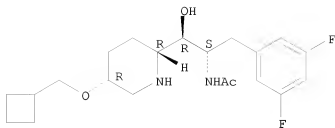
Absolute stereochemistry.



● HCl

RN 869659-81-4 CAPLUS
 CN Acetamide, N-[(1S,2R)-2-[(2R,5R)-5-(cyclobutylmethoxy)-2-piperidinyl]-1-[(3,5-difluorophenyl)methyl]-2-hydroxyethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

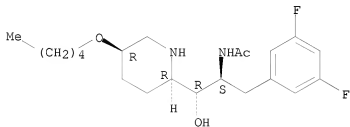


● HCl

RN 869659-82-5 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-(pentyloxy)-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

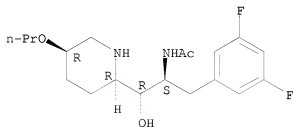


● HCl

RN 869659-83-6 CAPLUS

CN Acetamide, N-[(1S,2R)-1-[(3,5-difluorophenyl)methyl]-2-hydroxy-2-[(2R,5R)-5-propoxy-2-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

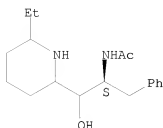


● HCl

RN 869660-35-5 CAPLUS

CN Acetamide, N-[(1S)-2-(6-ethyl-2-piperidinyl)-2-hydroxy-1-(phenylmethyl)ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

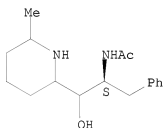


● HCl

RN 869660-36-6 CAPLUS

CN Acetamide, N-[(1S)-2-hydroxy-2-(6-methyl-2-piperidinyl)-1-(phenylmethyl)ethyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.



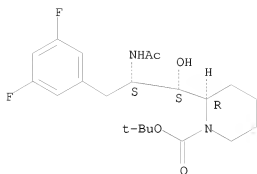
● HCl

IT 869527-61-7P, (2R)-[(1S,2S)-2-Acetylamino-3-(3,5-difluorophenyl)-1-hydroxypropyl]piperidine-1-carboxylic acid tert-butyl ester
869658-17-3P, (2R)-[(1S,2S)-2-Acetylamino-1-hydroxy-3-phenylpropyl]piperidine-1-carboxylic acid tert-butyl ester
869658-82-2P, (2R,5R)-2-[(1R,2S)-2-Acetylamino-3-(3,5-difluorophenyl)-1-hydroxypropyl]-5-benzoyloxypiperidine-1-carboxylic acid tert-butyl ester 869659-35-8P 869659-36-9P
869659-39-2P 869659-49-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of amides as BACE inhibitors for treating Alzheimer's)

RN 869527-61-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 2-[(1S,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-, 1,1-dimethylethyl ester, (2R)- (CA INDEX NAME)

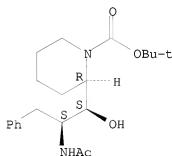
Absolute stereochemistry.



RN 869658-17-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 2-[(1S,2S)-2-(acetylamino)-1-hydroxy-3-phenylpropyl]-, 1,1-dimethylethyl ester, (2R)- (CA INDEX NAME)

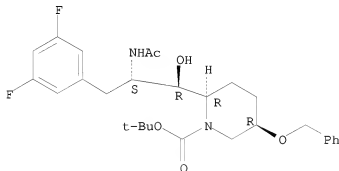
Absolute stereochemistry.



RN 869658-82-2 CAPLUS

CN 1-Piperidinecarboxylic acid, 2-[(1R,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-5-(phenylmethoxy)-, 1,1-dimethylethyl ester, (2R,5R)- (CA INDEX NAME)

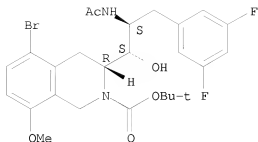
Absolute stereochemistry.



RN 869659-35-8 CAPLUS

CN 2(1H)-Isoquinolinecarboxylic acid, 3-[(1S,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-5-bromo-3,4-dihydro-8-methoxy-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

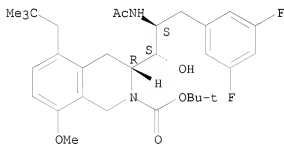
Absolute stereochemistry.



RN 869659-36-9 CAPLUS

CN 2-(1H)-Isoquinolinecarboxylic acid, 3-[(1S,2S)-2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-5-(2,2-dimethylpropyl)-3,4-dihydro-8-methoxy-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

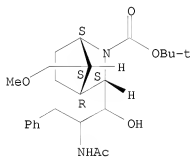
Absolute stereochemistry.



RN 869659-39-2 CAPLUS

CN 2-Azabicyclo[2.2.1]heptane-2-carboxylic acid, 3-[2-(acetylamino)-1-hydroxy-3-phenylpropyl]-7-(methoxymethyl)-, 1,1-dimethylethyl ester, (1R,3R,4S,7R)-rel- (CA INDEX NAME)

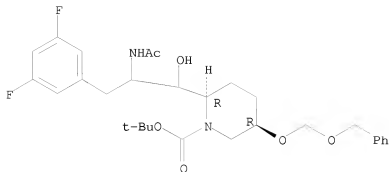
Relative stereochemistry.



RN 869659-49-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 2-[2-(acetylamino)-3-(3,5-difluorophenyl)-1-hydroxypropyl]-5-[(phenylmethoxy)methoxy]-, 1,1-dimethylethyl ester, (2R,5R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
(6 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2002:575041 CAPLUS

DOCUMENT NUMBER: 137:140338

TITLE: Preparation of aminoethanol derivatives as cholesteryl
ester transfer protein inhibitors for treatment of
hyperlipidemia, etc.

INVENTOR(S): Kori, Masakuni; Hamamura, Kazumasa; Fuse, Hiromitsu;
Yamamoto, Toshihiro

PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan

SOURCE: PCT Int. Appl., 748 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059077	A1	20020801	WO 2002-JP532	20020125 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002228349	A1	20020806	AU 2002-228349	20020125 <--
JP 2002293764	A	20021009	JP 2002-17487	20020125 <--
EP 1362846	A1	20031119	EP 2002-710345	20020125 <--
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
US 20040127574	A1	20040701	US 2003-470351	20030725 <--
US 6982348	B2	20060103		
PRIORITY APPLN. INFO.:			JP 2001-19280	A 20010126 <--
			WO 2002-JP532	W 20020125 <--

OTHER SOURCE(S): MARPAT 137:140338

AB The title compds. Ar1CH(OR'')CH(CH2Ar2)NR'R [Ar1 represents an optionally substituted aromatic ring group; Ar2 represents a substituted aromatic ring group; OR'' represents optionally protected hydroxy; R represents acyl; and R' represents hydrogen or optionally substituted hydrocarbyl] are

prepared Comps. of this invention in vitro showed IC50 values of 0.0084 μ M to 0.4 μ M against cholesteryl ester transfer protein. A process for preparing the title compds. is claimed.

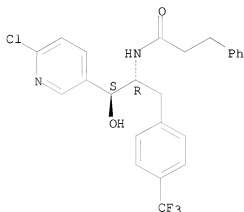
IT 444916-40-9P

RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aminoethanol derivs. as cholesteryl ester transfer protein inhibitors for treatment of hyperlipidemia)

RN 444916-40-9 CAPLUS

CN Benzenepropanamide, N-[(1R,2S)-2-(6-chloro-3-pyridinyl)-2-hydroxy-1-[[4-(trifluoromethyl)phenyl]methyl]ethyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
(8 CITINGS)
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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	ENTRY	SESSION
FULL ESTIMATED COST	39.32	225.90
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-4.92	-4.92

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LOGOFF? (Y)/N/HOLD:Y

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